

VOLOSHIN, G.A., inzh.

Conference of inventors and welders. Sudostroenie #6 no.2:  
79 (208) Feb '60. (MIRA 14:11)  
(Welding--Congresses)

VOLOSHIN, G.A.

In the Ukraine, Zashch. rast. ot vred. i bol. 7 no. 3:6-8 Mr  
'62. (MIRA 15:11)

1. Nachal'nik Upravleniya zashchity rasteniy Ministerstva sel'skogo  
khozyaystva UkrSSR.  
(Ukraine—Plants, Protection of)

VOLOSHIN, G.A., inzh.

Activity of the Scientific Technological Society of Shipbuilding  
in Estonia, in 1960. Sudostroenie 27 no.6:83 Je '61.

(MIRA 14:6)

(Estonia—Shipbuilding)

VOLOSHIN, G.A., inzh.

Estonian Republic scientific and technical conference on technology  
of ship repairing. Sudostroenie 24 no.3:86 Mr '58. (MIRA 11:4)  
(Ships--Maintenance and repair)

OKUNTSOVA, Ye.A.; ROZNIKOV, L.N., dots., ctv. red.; VOLOSHIN,  
G.D., red.

[Projection drawing; a manual] Proektionnaya chernenie;  
uchebnoe posobie. Novosibirsk, Zapadno-Sibirska knizhnaya  
izd-vo, 1965. 113 p. (MIRA 18:11)

PROSKURYAKOV, Sergey Anatol'yevich; KAZNACHEYEV, V.P., doktor  
med. nauk, prof., otv. red.; VOLOSHIN, G.D., red.

[Experience in the work of restorative surgery on the  
face and otorhinolaryngeal organs] Opyt raboty po vos-  
stanovitel'noi khirurgii litsa i lor-organov. Novosibirsk,  
Zapadno-Sibirskoe knizhnoe izd-vo, 1965. 197 p.  
(MIRA 18:4)

VOLOSHIN, G. I.

36953. O psicheskikh rasstroystvakh pri intoksikatsii trikrezilfesfatom. Nevropatologiya i psichiatriya, 1949, No. 6, c. 37-40

SO: Letopis' Zhurnal'nykh Statey, Vol. 50, Moskva, 1949

BAKUL', V.N., kand.tekhn.nauk; ZAKHARCHENKO, I.P., kand.tekhn.nauk; VOLOSHIN, G.M., inzh.; EPSHTEYN, V.M., inzh.; OVCHAROV, V.I.

Diamond machining of a hard-alloy tool. Trakt. i sel'khozmash.  
(MIRA 18:5)  
no.3:33-35 Mr '65.

1. Ukrainskiy nauchno-issledovatel'skiy proyektno-tehnologicheskiy institut sinteticheskikh sverkhtverdykh materialov i instrumenta (for Bakul', Zakharchenko, Voloshin, Epshteyn). 2. Glavnyy inzh. Khar'kovskogo zavoda "Serp i molot".

A-3

Voloshin, G. P.  
USSR/General Problems - Problems of Teaching

Abst Journal : Referat Zhur - Fizika, No 12, 1956, 33608

Author : Voloshin, G. P.

Institution : None

Title : Organization of Physics Laboratory Equipment in the School

Original  
Periodical : Ynvetsetorul Sovetik, 1956, No 5, 19-24, Moldavian

Abstract : None

Card 1/1

L 58818-65

REF ID: KNR-A818-65

3'07'1'64/000/009/B056/B056

441 142 161

SOURCE: Ref. zr. Avt. analiz. tel. sgnalov

tekst, izv. A & 1964.

AUTHOR: Voloshin, G. Ya.

TITLE: Spectral analysis of speech signals by means of digital computer

CITED SOURCE: Sb. Vychisl. sistemy. Vyp. 10. Novosibirsk, 1964, 20-40

TOPIC TAOS: speech spectrum, speech analysis

TRANSLATION: Determination of spectral parameters is a decisive factor in automatic recognition of speech signal. In many cases, the digital computer is expedient for these purposes. There are several means for calculating energy spectrum for these purposes. These are: correlation-spectral analysis is considered in detail; it requires a method of determination of spectral parameters, an instantaneous spectrum, i.e., a spectrum at a given time instant. This is obtained by averaging over a number of successive spectra. The second method is the windowed Fourier transform. The third method is the autocorrelation function. The fourth method is the cepstrum. The fifth method is the spectral analysis of speech signals by digital computer, as distinct from the analysis by amplitude spectrum.

Card 1/2

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860710017-0

L 58818-65

ACCESSION NR: AR5000582

... and relating them to a specified level by suitable  
... methods.

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860710017-0"

L 07243-67 EWT(d)/EWP(1) IJP(c) GG/BB  
ACC NR: AR6028114

SOURCE CODE: UR/0372/66/000/005/V052/V053

AUTHOR: Voloshin, G. Ya.; Zagoruyko, N. G.

TITLE: Use of two-dimensional spectra in automatic recognition of images 16 C

SOURCE: Ref. zh. Kibernetika, Abs. 5V376

REF SOURCE: Sb. Vychisl. sistemy. Vyp. 19. Novosibirsk, 1965, 3-11

TOPIC TACS: pattern recognition, character recognition, recognition process

ABSTRACT. Noted are some qualities of multidimensional spectral parameters, such as freedom from interference, independence of spectral modulus of the displacement of coordinate axes, and the simplicity of isolating rotational invariants. Described are experimental electronic computer calculations of two-dimensional spectra of simple drawings and handwritten figures, as well as evaluations of Euclidean space between standards evolved from such calculations for a training selection and descriptions of recognizable control samples. Results (66% of correctly read handwritten characters) are deemed preliminary in view of the limited character of the statistical source material. [Translation of abstract] Orig. art. has: 3 figures. Bibliography of 4 titles. V. G. P.

SUB CODE: 09,05

UDC: 51:681.14:155

Card 1/1 q

L 8776-66

ACC NR: AR5018114

SOURCE CODE: UR/0271/65/000/007/B003/B003

30

E

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika. Svodnyy tom, Abs. 7B29

AUTHOR: Voloshin, G. Ya.

TITLE: Frequency of readings of the random function in correlation-spectral analyses

CITED SOURCE: Sb. Vychisl. sistemy. Vyp. 14. Novosibirsk, 1964, 49-54

TOPIC TAGS: digital computer, digital computer programing

TRANSLATION: In carrying out the correlation and spectral analysis of random functions on digital computers, the correct selection of frequency of quantization may have important bearing on the economical distribution of storage and saving on the machine time. Using speech signals as an example, it is demonstrated that, when the characteristics of the random function and the methods of its processing are a-priori known, it is possible to select a minimal permissible frequency of quantization consistent with the specified error of the analysis. Bib 6, fig 1, tab 1.

SUB CODE: 09

JW  
Card 1/1

UDC: 681.142.81:681.142.82

Z

ZAGORUYKO, N.G.; VOLOSHIN, G.Ya.; YELKINA, V.N.

Automatic cognition of sound images (survey of literature).  
(MIRA 18:3)  
Vych. sist. no.14:3-30 '64.

L 07522-67 EWT(d)/EMP(1) IJP(c) BB/GG  
ACC NR: AR6028119

SOURCE CODE: UR/0372/66/000/005/G021/G021

AUTHOR: Voloshin, G. Ya.

TITLE: Some properties of multidimensional spectra

SOURCE: Ref. zh. Kibernetika, Abs. 5G140

REF SOURCE: Sb. Vychisl. sistemy. Vyp. 19. Novosibirsk, 1965, 13-20

TOPIC TAGS: pattern recognition, Fourier transform, adaptive pattern recognition

ABSTRACT: The multiple Fourier transform is widely used in <sup>16 C</sup> automatic recognition of patterns. Failing to cite mathematical proof, the author presents expressions for spectra of partial and mixed derivatives, an integral, the contraction of two functions, and a multidimensional function expressible as a product of unidimensional functions. It is demonstrated that the function spectrum modulus does not vary in the process of the function's parallel displacement. This characteristic provides for an invariance relative to the position of an object in the field of observation. Analyzed are properties of a function whose variable space was exposed to arbitrary linear transformation while retaining the original coordinates. [Translation of abstract] Bibliography of 7 titles. G. Ya.

SUB CODE: 06,12

Card 1/1 L3

UDC: 62-506:621.391.193

L 08987-67  
ACC NR: AR6027482

EWT(d)/EWP(1) IJP(c) BB/GG

SOURCE CODE: UR/0044/66/000/005/V052/V053

AUTHOR: Voloshin, G. Ya.; Zagoruyko, N. G.

57

TITLE: Utilization of two dimensional spectra in automatic pattern recognition

SOURCE: Ref. zh. Matematika, Abs. 5V376

REF SOURCE: Sb. Vychisl. sistemy. Vyp. 19. Novosibirsk, 1965, 3-11

TOPIC TAGS: pattern recognition, spectrum analysis, computer technique

ABSTRACT: The authors cite certain properties of multidimensional spectra such as noise immunity, spectrum amplitude independence of coordinate translation, and the simplicity of rotation invariants selection. Computer experiments are described in which the two-dimensional spectra of simple patterns and hand-drawn figures are calculated by estimating the Euclidian distances between the references constructed on the basis of these calculations (for the purpose of selection training) and descriptions of recognizable control patterns. The results (66% of hand-written figures were recognized) are considered preliminary because of extremely limited amount of statistical data. [Translation of abstract] 3 illustrations and bibliography of 4 titles. V. G. P.

SUB CODE: 09

UDC: 51:681.14:155

Card 1/1 set

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860710017-0

VOLOSHIN, I., kand.tekhn.nauk

Review of N.P. Udalov's book "Semiconductor thermal resistors."  
Inzh.-fiz.shur. no.1:126-127 Ja '60. (MIRA 13:4)  
(Thermistors) (Udalov, N.P.)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860710017-0"

S/170/60/003/01/23/023  
B022/8007

AUTHOR: Voloshin, I., Candidate of Technical Sciences

TITLE: N. P. Udalov "Semiconductor - Thermistor Temperature Regulators",  
90 pages, Gosudarstvennoye izdatel'stvo oboronnoy promyshlennosti  
(State Publishing House of the Defence Industry) Moscow, 1959

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1960, Vol. 3, No. 1, pp. 126 - 127

TEXT: In the present paper, a review of the book mentioned in the title is given. The book consists of a short preface and two chapters. In the first chapter the fundamentals of the use of semiconductor - thermistor temperature regulators in engineering, and in the second the characteristics of some types of finish of industrial semiconductor - thermistor temperature regulators are mentioned. Several doubtful places in the text are pointed out and discussed. There is 1 Soviet reference.

Card 1/1

VOLOSHIN, I., gvardii general-mayor

The Taman' Guards Division. Voen. znan. 40 no.6:5-6 Je '64.  
(MIRA 17:7)

1. Komandir gvardeyskoy Tamanskoy divizii.

VOLOSHIN, I. F.

37277. Navlyudenija nad karyshevym lunen, orloviogil'nikom i balabanom v severnom kazakhstane. Trudy nayrzum. Gos. Zapovednika, vyp. 2, 1949, s. 58-83-Biblio: r: 12 Nazv

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

VOLOSHIN, I.F.

Results of the activity of the Power Institute of the Academy of Sciences of the White Russian S.S.R. Trudy Inst.energ. AN BSSR no.1:  
3-8 '54. (MLRA 9:8)

1. Direktor Instituta energetiki Akademii nauk BSSR.  
(White Russia--Peat)  
(White Russia--Power engineering)

VOLOSHIN, I.P., kandidat tekhnicheskikh nauk.

Value of inductance of magnetically coupled windings connected in parallel. Trudy Inst.energ. AM BSSR no.1:44-61 '54. (MLRA 9:8)  
(Inductance)

VOLOSHIN, Ivan Filippovich [VALOSHYN, I.]; MURASHKO, Mikhail Griger'yevich  
[Murashka, M.]

[Development of power in White Russia] Razvitiye energetiki u  
Belarusi. Minsk, Dzirzh. vyd-va BSSR, 1957. 41 p. (MIRA 12:1)  
(White Russia--Power resources)

VOLOSHIN, I.F.; RUTSKIY, I.N.

Determining the coefficient of dissipation for thermistors [with  
summary in English]. Inzh.-fiz.zhur. 1 no.8:102-104 Ag '58.  
(MIRA 11:8)

1.Institut energetiki AN BSSR, Minsk.  
(Thermistors)

SOV/58-59-9-20784

Translation from: Referativnyy Zhurnal Fizika, 1959, Nr 9, p 192 (USSR)

AUTHOR: Voloshin, I.F.

TITLE: On the Theory of Semiconductor Thermosensitive Resistors

PERIODICAL: Tr. In-ta energ. AN BSSR, 1958, Nr 6, pp 193 - 205

ABSTRACT: An analysis is made of the statistical operating conditions of a thermo-sensitive resistor on the basis of the dependence of the resistance magnitude on the power the resistor dissipates into the surrounding medium. Operating conditions are studied, where a) the dissipated power is equal to zero; and b) the temperature of the surrounding medium is equal to zero. On the basis of the expressions thereby obtained, the conclusion is drawn that the equation under analysis characterizes a very complicated dependence. Making some assumptions, the author obtains a linear dependence of the dissipated power on the temperature of the surrounding medium. He shows that these assumptions can only be adopted for the right-hand side of the volt-ampere characteristic equations in the

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SOV/58-59-9-20784

On the Theory of Semiconductor Thermosensitive Resistors

region of maximum currents. It is noted that under this mode of operation the temperature variation of the medium has relatively little effect on the heat-transfer coefficient. The method of recalculating the volt-ampere characteristics of the thermosensitive resistor is explained with the aid of the suggested relations.

G.K. Nechayev

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9(3)

SOV/143-58-11-8/16

AUTHORS: Voloshin, I.F., Candidate of Technical Sciences,  
Rutskiy, I.N., Engineer

TITLE: The Calculation of the Thermistor Temperature

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Energetika,  
1958, Nr 11, pp 58-63 (USSR)

ABSTRACT: Thermistors find a constantly growing application in the USSR economy and also in power engineering. For example, thermistors are suitable for application in thermal protection relay circuits of electrical equipment. As a rule, the functioning of many protection circuits is based on the relay effect phenomenon of thermistors. This relay effect depends on heat transfer conditions and the temperature of the medium into which the thermistor is placed. An improper operation of the thermistor at temperatures exceeding its maximum permissible range may cause irreversible chemical processes in it. The author considers these two problems in more detail. First, he presents the equation of the static voltampere characteristics of a

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The Calculation of the Thermistor Temperature SOV/143-58-11-8/16

thermistor in the parametric form:

$$U = \sqrt{\frac{k(T-T_0)R_{co}e^{\frac{B}{T}}}{\frac{B}{T} - \frac{B}{T_0}}} \quad (1)$$

$$I = \sqrt{\frac{k}{R_{co}}(T-T_0)e^{\frac{B}{T}}}$$

where  $T$  and  $T_0$  - absolute temperatures of the thermistor and its surrounding medium;  $B$  - material constant;  $R_{co}$  - conditional thermistor resistance;  $k = \alpha F$  - scattering factor;  $\alpha$  - heat loss factor;  $F$  - surface of the thermistor. The thermistor temperature at which the voltampere characteristic reaches its voltage maximum is determined according to the following formula:

$$T_{max} = \frac{B - \sqrt{B(B-4T_0)}}{2} \quad (2)$$

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This formula shows that the temperature of voltampere characteristic maximum, with unchanged heat loss con-

The Calculation of the Thermistor Temperature SOV/143-58-11-8/16

ditions, is determined by the thermistor material constant and the temperature of the surrounding medium. Theoretically, a maximum of the voltampere characteristic will be possible under the condition  $B > 4T_0$ . Each thermistor type has a maximum permissible temperature  $- T_{\max.p}$ . Solving equation (2) in regard to  $T_0$  and equalizing  $T_{\max} = T_{\max.p}$ , then  $T_0$  will be

$$T_0 = T_{\max.p} \left(1 - \frac{T_{\max.p}}{B}\right) \quad (4)$$

The thermistor temperature at any point of the static voltampere characteristic may be determined by considering the thermistor resistance as a temperature function, which is expressed in the equation

$$R = R_0 e^{\frac{B}{T}} \quad (5)$$

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Solving the aforementioned equation (5) in regard to  $T$  results in the equation

## The Calculation of the Thermistor Temperature SOV/143-58-11-8/16

$$T = \frac{B}{\ln \frac{R}{R_0}} \quad (6)$$

Determining the temperature of a thermistor using the above equation produces a number of difficulties, since the resistance used in this equation is determined by the experimental static voltampere characteristic. Consequently, for calculating the temperature a plotting of all voltampere characteristics is required for those operating conditions under which the thermistor will work. The thermistor temperature may be determined by another method which is much simpler and which produces reliable results. This method is based on the assumption that the thermistor temperature depends on two basic magnitudes: the dissipation power ( $P_T$ ) and the heat exchange conditions, characterized by the dissipation factor  $k$ . Then, according to Newton's equation

$$P_T = k(t - T_0) = k(\theta - \theta_0) \quad (7)$$

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The Calculation of the Thermistor Temperature SOV/143-58-11-8/16

where  $T$ ,  $\theta$  and  $T_0$ ,  $\Theta_0$  - are temperatures of the thermistor and the surrounding medium, expressed in  $^{\circ}\text{K}$  and  $^{\circ}\text{C}$ . Solving the equation (7) in regard to  $T$  produces

$$T = \frac{1}{k} P_T + T_0 \quad (8)$$

Introducing  $C = 1/k$  will result in the following equation

$$T = T_0 + CP_T \quad (9)$$

or:

$$\Theta = \Theta_0 + CP_T \quad (9a)$$

The author then considers the boundary conditions for the equation (9a), if  $P_T = 0$  and  $\Theta - \Theta_0 = T$ . Further he explains a method for determining the factor  $C$ . Table 1 shows a comparison of thermistor temperatures for thermistors KTM-1, MMT-1 and KMT-1. The temperatures obtained according to equations (6) and (9) differ from each other. Therefore, the accuracy was investigated experimentally using thermistors TST-0.5

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The Calculation of the Thermistor Temperature SOV/143-58-11-8/16

and KMT-11. The author established that the equation (9) produces more accurate results. The author stated that the calculation technique for determining the thermistor temperature for a group of static voltampere characteristics is reduced to the following  
a) according to the experimental static voltampere characteristic, plotted at the temperature  $\theta_0$  of the surrounding medium, the factor C must be determined;  
b) the dependence  $\theta = f(P_m)$  at  $\theta_0 = \text{const}$ ; c) the temperature dependence of the thermistor from dissipation power at different temperature values of the surrounding medium is obtained by changing the parameter  $\theta_0$  by the magnitude of change of this temperature  $\Delta\theta_0$ . There are 2 graphs, 1 table and 3 Soviet references.

Card 6/7

The Calculation of the Thermistor Temperature SOV/143-58-11-8/16

ASSOCIATION: Institut energetiki Akademii nauk BSSR (Institute of Power Engineering of the Belorussian SSR Academy of Sciences) Obshcheenergeticheskaya sektsiya (General Power Engineering Section)

SUBMITTED: June 27, 1958

Card 7/7

9(4)

PHASE I BOOK EXPLOITATION

SOV/1973

Voloshin, I.F., A.S. Kasperovich, and A.G. Shashkov

Poluprovodnikovyye termosoprotivleniya (Thermistors) Minsk, Izd-vo AN BSSR,  
1959. 196 p. Errata slip inserted. 4,000 copies printed.

Sponsoring Agency: Akademii nauk BSSR. Institut energetiki.

Ed.: N.Ya. Karachentseva, Candidate of Technical Sciences; Ed. of Publishing  
House; L. Marika; Tech. Ed.: I. Volokhanovich.

PURPOSE: This book is intended for engineers, designers, and scientists in  
transistor electronics.

COVERAGE: This book summarizes the results of several years of scientific  
research and investigations carried out at the Electrical Engineering Laboratory  
of the Institut energetiki Akademii nauk BSSR(Electric Power Institute of the  
BSSR Academy of Sciences). The authors also used material from Soviet and non-  
Soviet literature on the theory and application of thermistors in various

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Thermistors

SOV/1973

apparatus and circuits. They did not include a-c circuits with thermistors because they state that this problem still has not been worked out. I.F. Voloshin wrote the introduction, Chapters II, III, IV, and also Sections 9, 10, 11, 12, 13 of Chapter VI. A.S. Kasperovich wrote Ch. I, Sections 7, 8, 9, 10 of Ch. V and Sections 1, 2, 5, 6 of Chapter VI. A.G. Shashkov wrote Sections 1, 2, 3, 4, 5, 6 of Ch. V. and 3 and 4 of Ch. VI. The authors thank Professor L.B. Geyler, Doctor of Technical Sciences, and Candidate of Technical Sciences N.Ya. Karachentseva. There are 53 references: 45 Soviet, 7 English and 1 German.

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Thermistors

80V/1973

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Bibliography

AVAILABLE: Library of Congress

JP/fal  
7-31-59

Card 3/3

9(6); 24(3)

05286  
SOV/170-59-7-17/20

AUTHOR: Voloshin, I.F.

TITLE: On the Equation of Temperature Characteristic of the Hall Element in InSb

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1959, Nr 7, pp 100 - 101 (USSR)

ABSTRACT: The designing of devices based on the use of Hall effect calls for a solution of a number of problems, such as e.g. temperature compensation. The calculation of temperature compensation necessitates the knowledge of its temperature characteristic in analytical form, i.e., relationship  $R_h = f(\theta)$ . The author writes down this relationship as follows:

$$R_h = R_{h0} e^{D/T}$$

where  $R_{h0}$  and D are constants to be determined, T - temperature of Hall element in absolute degrees. The author demonstrates the use of this formula by a numerical example and obtains a number of points which agree well with an experimental curve, shown in Figure 1, expressing the data of Reference 2. The maximum discrepancy does not exceed 2%.

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05286  
SOV/170-59-7-17/20

On the Equation of Temperature Characteristic of the Hall Element in InSb

There are: 1 graph and 4 references, 3 of which are Soviet and 1 German.

ASSOCIATION: Institut energetiki AN BSSR (Institute of Power Engineering of the AS Belorussian SSR), Minsk.

Card 2/2

YOLOSHIN, I. F.

AM4037974

BOOK EXPLOITATION

S/

Voloshin, I.; Doroshevich, M.; Karachentseva, N.; Kasperovich, A.; Kupchinov, V.;  
Tyushkevich, N.

Semiconductors and their application in engineering (Poluprovodniki i ikh pri-meneniya v tekhnike), Minsk, Izd-vo "Belarus", 1963, 286 p. illus., biblio.  
8,000 copies printed.

TOPIC TAGS: semiconductor, thermistor, Hall gage, photodiodes, phototriode,  
photoresistance, ferrite

PURPOSE AND COVERAGE: The book describes the basic physical properties of semiconductors and how they are affected by various factors. The design, parameters, and characteristics of thermistor, Hall gages, photodiodes, phototriodes, photo-resistances, and ferrites are given. There is also an examination of the operating regimes of electrical circuits and circuits using semiconductors are shown. The book is intended for a broad circle of engineers and technicians working in the automation of production processes.

TABLE OF CONTENTS [abridged]:

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AM4037974

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Ch. I. Basic properties of semiconductors (Candidate of technical sciences, A. S. Kasperovich) -- 7

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Ch. III. Hall gages and their use (Candidate of technical sciences, M. M. Doroshevich) -- 93

Ch. IV. Photodiodes and phototriodes (Candidate of technical sciences, N. Ya. Karachentseva) -- 146

Ch. V. Photoresistances (Candidate of technical sciences, N. I. Tyushkevich) -- 187

Ch. VI. Ferrites (Candidate of technical sciences, V. N. Kupchinov) -- 244

SUB CODE: EC, SS

SUBMITTED: 04Nov63 NR REF Sov: 119

OTHER: 038

DATE ACQ: 07May64

Card 2/2

VOLOSHIN, I.F., kand. tekhn. nauk; DOROSHEVICH, M.; KARACHENTSEVA, N.;  
KASPEROVICH, A.A; KUPCHINOV, V.; TYUSHKEVICH, N.; KASPER, M.,  
red.

[Semiconductors and their engineering applications] Polupro-  
vodniki i ikh primenie v tekhnike. [By] I.F.Voloshin i dr.  
Minsk, Izd-vo "Belorus", 1963. 286 p. (MIRA 17:4)

VOLOSHIN, I.F. (Minsk)

Calculation of transient processes in thermistor d.c. voltage  
stabilizers. Avtom. i telem. 24 no.2:285-300 F '63.

(MIRA 16:1)

(Voltage regulators) (Bridge circuits)

VOLOSHIN, I.F.

Analytical solution to the equation of transients in the circuit linear  
resistor-thermistor. Inzh.-fiz. zhur. 5 no.10:93-96 0 '62.  
(MIRA 15:12)

1. Energeticheskiy institut AN BSSR, Minsk.  
(Transients (Electricity)) (Electric circuits)

9.2002

45586  
S/103/63/024/002/020/020  
D201/D308

AUTHOR: Voloshin, I.F. (Minsk)  
TITLE: Evaluation of transients in thermistor d.c. voltage stabilizers  
PERIODICAL: Avtomatika i telemekhanika, v. 24, no. 2, 1963,  
285-290

TEXT: From the analysis of the potentiometer and bridge type of thermistor d.c. voltage stabilizers, the author derives the expressions for transients. These expressions make it possible to plot dynamic operation characteristics, from which the parameters of transients due to temperature, supply voltage and load current variations, may be easily evaluated. The expressions derived show that thermistor-stabilized supplies, owing to the large thermal time constant of thermistors, should be used only in conjunction with receivers having large inertness. There are 5 figures.

SUBMITTED: March 9, 1962

Card 1/1

VOLOSHIN, I.F., kand.tekhn.nauk

Calculation of transient processes in an electric d.c. network  
consisting of a thermistor and a linear resistance. Izv. vys.  
ucheb. zav.; energ. 4 no.11:40-45 N '61. (MIRA 14:12)

1. Institut energetiki AN BSSR.  
(Transients (Electricity)) (Electric networks)

94320

S/143/61/000/011/005/003  
D223/D302AUTHOR: Voloshin, I. F., Candidate of Technical SciencesTITLE: Calculating transition processes in d.c. circuit  
thermistor - linear resistancePERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Energetika,  
no. 11, 1961, 40-45TEXT: The author considers a circuit consisting of a thermistor  
 $R_T$  in series with a resistance  $r$ . Three main types of volt-ampere  
characteristics of thermistor are studied: 1) Decreasing with a  
maximum, 2) parallel and 3) linearly increasing. The starting point
$$\text{is the equation } t = \int \tau_0 \frac{dP}{P_t - P_\alpha} \text{ where } \tau_0 = \text{thermal time constant of } \sqrt{B}$$

the thermistor,  $P_t$  = power supplied to the thermistor and  $P_\alpha$  = power  
dissipated by the thermistor. In many practical cases  $\tau_0$  can be

Card 1/2

S/143/61/000/011/003/003  
D223/D302

Calculating transition processes ...

assumed constant. Case 1) is solved graphically, case 2) in general analytical form. For case 3) the general solution is complicated and it is better to solve it for separate numerical data. There are 4 figures and 2 non-Soviet-block references. The reference to the English-language publication reads as follows: N. Bjork and R. Davidson, Small signal behaviour of directly heated thermistors, No. 169, Göteborg, Sweden, 1955.

ASSOCIATION: Institut energetiki AN BSSR (Institute of Power Engineering, "S BSSR)

SUBMITTED: March 15, 1961

Card 2/2

VOLOSHIN, I.F.

Analytical method for calculating the volt-ampere characteristics  
of a thermistor during changes in the external temperature. Inzh.-  
fiz. zhur. no.12:111-113 D '60. (MIRA 14:3)

1. Institut energetiki AN BSSR, g. Minsk.  
(Thermistors)

VOLOSHIN, Ivan Filippovich; KARACHENTSEVA, N.Ya., kand. tekhn. nauk,  
red.; MARIKS, L., red. izd-va; TURTSEVICH, L., tekhn. red.

[D.c. networks with thermistors; theoretical principles] Elek-  
tricheskie tsepi postoiannogo toka s termistorami; osnovy  
teorii. Minsk, Izd-vo Akad. nauk BSSR, 1962. 312 p.

(MIRA 15:8)

(Electric networks) (Thermistors)

VOLOSHIN, Ivan Filippovich; POKLIS, G.B., dots., retsenzent: PAREMSKIY, B.D., dots., red.; MARIKS, L., red. izd-va; SIDERKO, N., tekhn. red.

[Development of power engineering in White Russia] Razvitiye energetiki Belorussii. Minsk, Inst energ. Akad.nauk Beloruskoj SSR, 1960. 176 p. (MIRA 14:5)  
(White Russia--Electric power)

88015

9.6100

26.2532

S/170/60/003/012/012/015  
B019/B056AUTHOR: Voloshin, I. F.

TITLE: An Analytical Method of Calculating the Static Volt-ampere Characteristic of a Thermistor in the Case of a Change of Temperature of the External Medium

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1960, Vol. 3, No. 12,  
pp. 111-113

TEXT: The author, in a previous paper, gave the relation

$$R = R_{\infty} \exp(B/T) = R_{\infty} \exp(B/(MP+T_0)) \quad (1)$$

for the temperature dependence of a thermistor. Here  $B$  and  $R_{\infty}$  are parameters of the temperature characteristic,  $P$  is the dissipation power of the thermistor,  $T_0$  is the temperature of the surrounding medium,  $M$  is a coefficient that is inversely proportional to the scattering coefficient of the thermistor. Further, the voltage drop of the thermistor is

Card 1/2

88015

An Analytical Method of Calculating the Static  
Volt-ampere Characteristic of a Thermistor in the B019/B056  
Case of a Change of Temperature of the External  
Medium

$U = \sqrt{PR}$  and the current passing through is  $I = \sqrt{P/R}$ . The calculation takes the following course: First, with given temperature  $T_{01} = \text{const}$  of the surrounding medium,  $P_1$  and the temperature  $T_1$  of the thermistor are determined, and with the relation  $T_2 = T_1 + (T_{02} - T_{01})$ , the required temperature of the thermistor is calculated. By means of (1),  $R_2$  is determined, and further, the voltage drop and the current are calculated. For calculating the static volt-ampere characteristic according to the method described here it is necessary to know the temperature characteristic and one volt-ampere characteristic in the corresponding medium. There are 2 figures and 2 Soviet references.

ASSOCIATION: Institut energetiki AN BSSR, g. Minsk (Institute of Power Engineering of the AS BSSR, Minsk)

SUBMITTED: August 10, 1960

Card 2/2

VOLOSHIN, I. I.

1325. Ochistka i nizkotemperaturnoye qidrirovaniye khlopkovogo masla. Alma-Ata,  
1954. 11s. s chert. 22sm. (Akad. nauk kazakh. SSR. Inst. Khim. nauk). 100 ekz.  
B. ts. — [54-52861]

SO: Knizhnaya Letopis. Vol. 1, 1955

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860710017-0

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860710017-0"

VOLOSHIN, I.I.; SOKOL'SKIY, D.V.

Effect of purification of cottonseed oil on its hydrogenation rate. Izv.AN Kazakh.S.S.R. Ser.khim. no.1:67-75 '57. (MIRA 10:5)  
(Cottonseed oil) (Hydrogenation)

VOLOSHIN, I. I.

"Purification and Low Temperature Hydrogenation of Cottonseed Oil." Cand Chem  
Sci, Inst of Chemical Sci, Alma-Ata, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher  
Educational Institutions (13)  
SO: Sum. No. 598, 29 Jul 55

VOLOSHIN, Ivan Makarovich, polkovnik

From the best representatives of the people. Voen vest. 41 no.11:  
20-21 N '61. (MIRA 16:11)

1. Moskovskoye Krasnoznamennoye vyssheye obshchchevoyskovoys komand-  
noye uchilishche imeni Verkhovnogo Soveta RSFSR.

VOLOSHIN, I.M.

[Adaptation of the round skin pedicle in restorative surgery]  
O primenenii kruglogo kozhnogo steblia v vosstanovitel'noi  
khirurgii. Khirurgia, Moskva no.3:23-29 Mr '50. (CIML 19:1)

1. Of the Department of Facultative Surgery of the Pediatric  
and Sanitary Faculties of the Odessa Medical Institute.

VOLOSHIN, I.S.

AID P - 3361

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 19/27

Authors : Kamenskiy, V. I., Shtukov, N. V., and Voloshin, I.S.,  
Engs.

Title : Drying of insulation of cables of the KSRB mark

Periodical : Energetik, 9, 29-30, 8 1955

Abstract : The authors describe a case where a considerable and dangerous decline in insulation of a control cable of the KSRB mark was found after a short period of operation. The cable was laid directly in the ground and rain water seeped under its defective lead sheathing. The authors developed their own method to dry-out the cable. This method is described. Three drawings.

Institution : None

Submitted : No date

VOLOSHIN, I.Ye., inzh.; NOVAKOVICH, V.I., inzh.

Advantageous method of cleaning ballast stone. Put' i pmt.khoz. 7 no.l:  
6-9 '63. (MIRA 16:3)

1. Zamestitel' nachal'nika Krasnoarmeyskoy distantsii Donetskoy dorogi.  
(Ballast (Railroads)—Cleaning)

VOLOSHIN, L.

Work practices of the "Don" Hotel. Zhil.-kom. khos. 7 no.3:  
25 '57. (MLRA 10/4)

1. Direktor gostinitsy "Don" g. Rostov-na-Donu.  
(Rostov-On-Don--Hotels, taverns, etc.)

VOLOSHIN, L., inzhener.

Technical and economic indexes for a steam power installation  
using district-heating steam engines. Moloch. prom. 18 no.4:  
30-31 '57. (MLRA 10:4)

1. Ukrzgipromyasomolprojekt.  
(Steam power plants)

SOURCE CODE: UR/0317/66/000/011/0072/0013

ACC NR: AP7000561

AUTHOR: Voloshin, L. (Engineer, Lieutenant colonel); Tsybul'nik, A. (Captain)

ORG: none

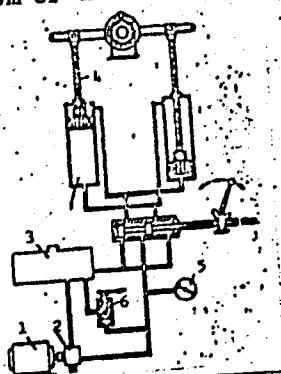
TITLE: New stand [Universal stand for dismantling and assembling recoil mechanisms]

SOURCE: Tekhnika i vooruzheniye, no. 11, 1966, 72-73

TOPIC TAGS: artillery weapon, servicing technique, weapon maintenance equipment,  
                weapon systemABSTRACT: A universal stand has been developed for dismantling and assembling the  
recoil mechanism of artillery systems (see Fig. 1). The stand weighs 350 kg. is 1.2 m

Fig. 1. Diagram of the hydraulic system

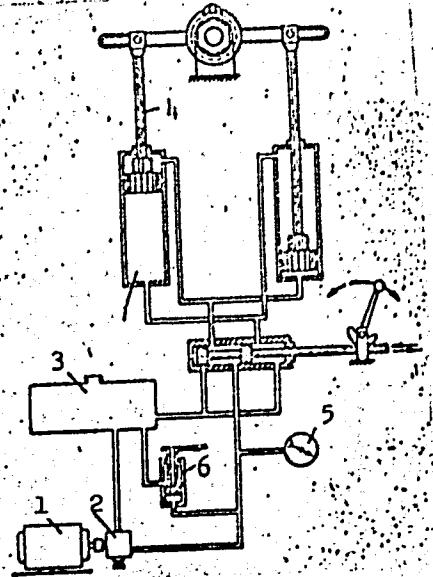
1 - AO-42-4 electric motor (3.8 kw, 1420 rpm);  
2 - gear pump; 3 - tank for hydraulic fluid;  
4 - piston and rod; 5 - manometer; 6 - control  
cock.



Card 1/2

ACC NR: AP7000561

long, 1.06 m wide, and 1.3 m high. It is equipped with a 12.5-l tank for hydraulic fluid and a single-stage gear pump with a maximum pressure of 14 kg/cm<sup>2</sup>, which is powered by an A0-42-4 asynchronous 220/380-v a-c motor. Orig. art. has: 2 figures.



SUB CODE: 19 / SUBM DATE: none / ATD PRESS: 5108

VOLOSHIN, L.N.

Causes of cracks in brick smokestacks. Sakh.prom.30 no.1:41-42  
Ja '56. (Chimneys) (MILRA 9:6)

1. VOLOSHIN, L. N.; VOLKOV, V. S.
2. USSR (600)
4. Steam Boilers
7. Use and adjustment of Edge Moor boilers at the Kupyansk Sugar Factory, Sakh. prom., 27, No. 5, 1953.
9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

VOLOSHIN, L.N., inzh.

Operation of boilers on unsorted anthracite. Prem energ. 18 no.7:  
19-21 Jl '63. (MIRA 16:9)

(Boilers)

VOLOSHIN, L.N., inzhener.

Burning sunflower seed husk, in layer furnaces. Masl.-shir.prom. 18 no.10:  
27-28 '53. (MIRA 6:11)

1. Zaporoshskiy masloshirkombinat.

(Sunflower seed) (Fuel)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860710017-0

VOLOSHIN, M., in ab.

Ice-breaking structures on the upper Irtysh River. Beck. transp.  
(MIRA 13:2)  
M. no. 6038-33 '65.

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860710017-0"

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860710017-0

VOLOSHIN, M., inzh.

Regulation of approaches to the lower canal of the Ust'-  
Kamenogorsk lock. Rach. transp. 24 no. 3:57 '65.

(MIRA 18:5)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860710017-0"

VOLOSHIN, M. F., inzh. (Dnepropetrovsk)

Mechanized hoe. Put' i put. khoz. 6 no. 8:41 '62.  
(MIRA 15:10)

(Tree planting)

VOLOSHIN, M.F.

A green belt on quicksands. Put'i put.khoz. 5 no.5:28 My '61.  
(MIRA 14:6)

1. Nachal'nik etdela zashchitnykh lesonasazhdeniy Dnepropetrovskoy  
distantsii.  
(Windbreaks, shelterbelts, etc.)

NAZAREVSKIY, S.I.; MAKAROV, S.N.; PILIPENKO, F.S.; GERASIMOV, M.V.; IL'INSKAYA, M.L.; VEESLER, A.I.,[deceased]; VASIL'YEV, I.M.; IL'INA, N.V.; SOKOLOV, S.Ya.; LOZINA-LOZINSKAYA, A.S.; SAAKOV, S.G.; ZALESSEKIY, D.M.; AVRCZIN, N.A.; IVANOV, M.I.; PRIKLADOV, N.V.; SOBOLEVSKAYA, K.A.; SALAMATOV, M.N.; MALINOVSKIY, P.I.; LUCHNIK, A.I.; KRAVCHENKO, O.A.; VEKHOV, N.K.; GROZDOV, B.V.; MASHKIN, S.; BOSSE, G.G.; PALIN, P.S.;(g. Shuya, Ivanovskoy oblasti); MATUKHIN; ZATVARNITSKIY, G.F.; GRACHEV, N.G.; CHERKASOV, M.I.; KIRKOPULO, Ye.N.; LEVITSKAYA,A.M.; GRISHKO, N.N.; LIKHVAR', D.F. VIL'CHINSKIY, N.M.; LYPA, A.L.; OREKHOV, M.V.; SHCHERBINA, A.A.; TSYGANKOVA, V.Z.; BARANOVSKIY, A.L.; GEORGIYEVSKIY, S.D.; STEPUNIN, G.A. OZOLIN, E.P.; LUKAYTENE, M.K.; KOS, Yu.I.; VAIL'YEV, A.V.; RUKHADZE, P.Ye.; VASHADZE, V.N.; SHANIDZE, V.M.; MANDZHAVIDZE, D.V.; KORKESHKO, A.L.; KOLESNIKOV, A.I.,(g. Sochi); SERGEYEV, L.I.; VOLOSHIN, M.P.; RYBIN, V.A.; IVANOVA, B.I.; RYABOVA, T.I.; GAREYEV, E.Z. ;RUSANOV, F.N.; BOCHANTSIEVA, Z.P.; BLINOVSKIY, K.V.; KLYSHEV, L.K.; MUSHEGYAN, A.M.; LEONOV, L.M.

Talks given by participants in the meeting. Biul.Glav.bot.sada no.15:  
(MLRA 9:1)  
85-182 '53.

1. Glavnyy botanicheskiy sad Akademii nauk SSSR (for Makarov,Pilipenko, Gerasimov, Il'inskaya, Veksler); 2. Akademiya komunal'nogo khozyaystva imeni K.D. Pamfilova for Vasil'yev); 3. Vsesoyuznaya sel'skokhozyaystvennaya vystavka (for Il'ina); 4. Botanicheskiy sad Botanicheskogo instituta imeni V.L.Komarova Akademii nauk SSSR (for Sokolov, Lozina-Lozinskaya, Saakov); 5. Botanicheskiy sad Leningradskogo  
(continued on next card)

NAZAREVSKIY, S.L.---(continued) Card 2.

gosudarstvennogo ordena Lenina universiteta (for Zalesskiy); 6. Pol-yarno-Al'piyskiy botanicheskiy sad Kol'skogo filiala imeni S.M. Kirova Akademii nauk SSSR (for Avrorin); 7. Botanicheskiy sak pri Tomskom gosudarstvennom universitete (for Ivanov); 8. Botanicheskiy sad pri Tomskom gosudarstvennom universitete imeni V.V. Kuybysheva (for Prik-ladov); 9. TSentral'nyy Sibirskiy botanicheskiy sad Zapadno-Sibirsko-ladov); 10. Bo-go filiala Akademii nauk SSSR (for Salamatov, Sobolevskaya); 11. Bo-tanicheskiy sad Irkutsko gosudarstvennogo universiteta imeni A.A. Zhdanova (for Malinovskiy); 12. Altayskaya plodovo-yagodnaya opty-naya stantsiya (for Luchnik); 13. Bashkirskiy botanicheskiy sad (for Kravchenko); 14. Lesostepnaya selektsionnaya optynaya stantsiya deko-rativnykh kul'tur tresta Goszelenkhoz Ministerstva kommunal'nogo kho-zaystva RSFSR (for Vekhov); 15. Botanicheskiy sad pri Voronezhskom gosudar-stvennom universitete (for Mashkin); 16. Orekhovo-Zuyevskiy pedago-gicheskiy institut (for Bosse); 17. Botanicheskiy sad pri Rostovskom gosudarstvennom universitete imeni V.M. Molotova (for Matukhin); 18. Botanicheskiy sad Kuybyshevskogo gorodckogo otdela narodnogo obrazo-vaniya (for Zatvarnitskiy); 19. Zoobotanicheskiy sad pri Kazanskem universitete (for Grachev); 20. Gosudarstvennyy respublikanskiy proektnyy institut "Giprokommunstroy" (for Cherkasov); 21. Botani-cheskiy sad Odesskogo gosudarstvennogo universiteta imeni I.I. Mechnikova (for Kirkopulo); 22. Botanicheskiy sad pri Dnepropetrovskom gosudarstvennom universitete (for Levitskaya); 23. Botanicheskiy sad  
(continued on next card)

MAZAREVSKIY, S.L.---(continued) Card 3.

Akademii nauk USSR (for Grishko, Likhvar', Vil'chinskiy); 24. Kiyevskiy sel'skokhozyaystvennyy institut (for Lypa); 25. Botanicheskiy sad Chernovitskogo gosudarstvennogo universiteta (for Orekhov); 26. Botanicheskiy sad pri L'vovskom gosudarstvennom universitete imeni Iv. Franko (for Shcherbina); 27. Botanicheskiy sad Khar'kovskogo gosudarstvennogo universiteta imeni A.M. Gor'kogo (for TSygan-kova); 28. Botanicheskiy sad Zhitomirskogo sel'skokhozyaystvennogo instituta (for Baranovskiy); 29. Botanicheskiy sad Akademii nauk Belorusskoy SSR (for Georgiyevskiy); 30. Institut biologii Akademii nauk Belorusskoy SSR (for Stepunin); 31. Botanicheskiy sad Latviyskogo gosudarstvennogo universiteta (for Lukaytene); 32. Botanicheskiy sad Akademii nauk Gruzinskoy SSR (for Ozolin); 33. Kabardinskiy krayevedcheskiy botanicheskiy sad (for Kos); 34. Sukhumskiy botanicheskiy sad Akademii nauk Gruzinskoy SSR (for Vasili'yev, Rukhadze); 35. Batumskiy botanicheskiy sad Akademii nauk Gruzinskoy SSR (for Shanidze); 36. Tbilisskiy botanicheskiy sad Akademii nauk Gruzinskoy SSR (for Mandzhavidze); 37. Sochinskiy park Dendrariy (for Korkeashko); 38. Gosudarstvennyy Nikitskiy botanicheskiy sad imeni V.M. Molotova (for Sergeyev, Voleshin); 39. Krymskiy filial Akademii nauk SSSR (for Rybin); 40. Botanicheskiy sad Moldavskogo filiala Akademii nauk SSSR (for Ivanova); 41. Botanicheskiy sad Botanicheskogo instituta Akademii nauk Tadzhikskoy SSR (for Ryabova); 42. Botanicheskiy sad Kirgizskogo filiala Akademii nauk SSSR (for Gareyev); 43. Botanicheskiy (continued on next card)

NAZAREVSKIY, S.L.----(continued) Card 4.

sad Akademii nauk Usbekskoy SSR (for Rusanov, Bochantseva); 44.  
Botanicheskiy sad Akademii nauk Turkmenskoy SSR (for Blinovskiy);  
45. Respublikanskiy sad Akademii nauk Kazakhskoy SSR (for Klyshev,  
Mushegyan).  
(Botanical gardens)

*VOLOSHIN, M.P.*

VOLOSHIN, M.P.

Parks of the southern shore of the Crimea and prospects for their development. Biul.Glav.bot. sada no.17:35-38 '54. (MLRA 8:3)

1. Gosudarstvennyy Nikitskiy botanicheskiy sad im. V.M.Molotova.  
(Crimea--Parks)

VOLOSHIN, M. I.

M.I.

VOLOSHIN, M. I. --"Biological Properties of Laurel in Connection with its Culture in the Crimea." \*(Dissertations for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions) Kiev State University T. G. Shevchenko, Kiev, 1955

SO: Knizhnaya Letopis', No. 25, 18 Jun 55

\* For Degree of Candidate in Biological Sciences

VOLOSHIN, M.P.

Arbutus andrachne L. Biul. Glav. bot. sada no.54:36-38 '61.

(MIRA 17:11)

1. TSentral'nyy respublikanskiy botanicheskiy sad AN UkrSSR, Kiyev.

VOL 654 W. M. P.

VOLOSHIN, M.P.

Laurus nobilis on the southern shore of Crimea. Biul. Glav. bot.  
sada no. 21:55-58 '55. (MLRA 8:12)

1. Gosudarstvennyy Nikitskiy botanicheskiy sad imeni V.M. Molotova  
(Crimea--Laurel)

VOLOSHIN, M.P.

~~Planning out rural parks in the Crimean Steppes. Biul.Glav.bor.sada~~  
no.25:70-75 '56. (MIRA 10:1)

1. Gosudarstvennyy Nikitskiy botanicheskiy sad imeni V.M. Molotova.  
(Crimea--Landscape gardening)

VOLOSHIN, M.P.

Vegetative propagation of bay laurel. Biul.Glav.bot.sada no.26:45-48  
'56. (MLRA 10:2)

1. Gosudarstvennyy Nikitskiy botanicheskiy sad im. V.M.Molotova.  
(Laurel) (Plant cuttings) (Growth promoting substances)

VOLOSHIN, M.P.

Reaction of bay laurel to light. Bot.zhur. 41 no.11:1652-1656 N '56.  
(MLRA 10:1)

1. Nikitskiy Botanicheskiy sad, Yalta.  
(Crimea--Laurel) (Light--Physiological effect)

VOLOSHIN, M.P.

Preserving the germinating force of bay laurel seeds until  
spring seeding. Agrobiologiya no.2:129-131 Mr-Ap '57.

(MLRA 10:5)

1.Gosudarstvennyy Nikitskiy botanicheskiy sad imeni V.M. Molotova,  
Yalta.  
(Laurel) (Germination)

VOLOSHIN, M.P.

Trees and shrubs used in landscape gardening in the Doents Basin.  
Biul. Glav. bot. sada no.45:34-37 '62. (MIRA 16:2)

1. TSentral'nyy respublikanskiy botanicheskiy sad AN UkrSSR,  
Kiyev. (Donets Basin--Landscape gardening)  
(Donets Basin--Woody plants)

VOLOSHIN, Mikhail Petrovich

[State Nikita Botanical Garden; guidebook]Gosudarstvennyi  
Nikitskii botanicheskii sad; putovoditel'. Simferopol',  
Krymizdat, 1960. 157 p. (MIRA 15:10)  
(Nikita (Crimea)--Botanical gardens)

VOLOSHIN, M.P.

Horse chestnut (*Aesculus L.*) in the Ukraine. Biul.Glav.bot.sada  
no.44:28-31 '61. (MIRA 15:2)

1. Tsentral'nyy respublikanskiy botanicheskiy sot AN USSR, Kiyev.  
(Ukraine—Horse chestnut)

VOLOSHIN, M.P.

Landscape work on waste dumps in the Donets Basin. Biul. glav.  
bot.sada no.43:27-28 '61. (MIRA 15:2)

1. TSentral'nyy respublikanskiy botanicheskiy sad AN USSR.  
(Donets Basin--Landscape gardening)

VOLOSHIN, Mikhail Petrovich, kand. biol. nauk; KORMILITSYN,  
Aleksandr Mikhaylovich, kand. sel'khoz. nauk;  
KOSTENETSKAYA, M., red.; ISUPOVA, N., tekhn. red.

[Establishing rural parks and landscaping state- and col-  
lective-farm settlements] Zakladka sel'skikh parkov i ozele-  
nenie poselkov sovkhozov i kolkhozov. Simferopol', Krym-  
izdat, 1960. 96 p. (MIRA 15:7)

(Crimea--Landscape gardening)

VOLOSHIN, M.P.

Ornamental plants for seashores and beaches. Binl. Glaz. bot.  
sada no. 34:44-46 '59  
(MIRA 13:3)

1. Gosudarstvennyy Nikit'skiy botanicheskiy sad.  
(Crimea--Plants, Ornamental)

COUNTRY	:	USSR
CATEGORY	:	Cultivated Plants. Medicinal. Essential Oil. Toxic.
ABS. JOUR.	:	RZhBiol., No. 3, 1959, №. 11170
AUTHOR	:	Voloshin, M. P., Degtyareva, A. P.
INST.	:	Nikitsk State Botanical Garden.
TITLE	:	Some Data on the Biochemical Characteristics of Bay Tree.
PERIOD. PUB.	:	Byul. nauchno-tekhn. inform. gos. Nikitsk. botan. sad, 1957, No. 3-4, 60-63
ABSTRACT	:	Fourteen forms of bay tree growing in Nikitsk Botanical Garden were studied for the determination of the essen- tial oil content. Leaves from the middle part of the crowns of the plants aged 15 years were taken for the analysis. The determination of the essential oil content was done in the leaves of three periods of collecting: spring, summer and winter. In many forms, the highest content of essential oils has been observed in the summer and winter periods, and the lowest - in the spring per- iod. The yield of essential oils from the leaves of the
CARD: 1/2		

VOLOSHIN, M.P., nauchnyy sotrudnik; ZABELIN, I.A., nauchnyy sotrudnik;  
KORMILITSYN, A.M., nauchnyy sotrudnik; ZHILYAKOVA, O., red.;  
FISEMKO, A., tekhn.red.

[Southern floriculture] IUzhhnoe tsvetovedstvo. Simferopol',  
Krymizdat, 1959. 196 p. (MIRA 13:1)

1. Gosudarstvennyy Nikitskiy botanicheskiy sad (for Voloshin,  
Zabelin, Kormilitsyn).  
(Floriculture)

VOLOSHIN, M.P.

Fall colors of tree and shrub leaves on the southern coast of  
the Crimea. Biul.Glav.bot.sada no.33:44-47 '59.  
(MIRA 12:10)

1. Gosudarstvennyy Nikitskiy Botanicheskiy sad.  
(Crimea--Color of leaves) (Autumn)

USSR / Forestry. Forest Crops

K-14

Abs Jour: Ref Zhur-Biol., No 13, 1958, 58414

Author : Voloshin, M. P., Romashkin, A. I.

Inst : State Nikitskiy Botanical Garden

Title : An Experiment in Implanting Exotic Trees in the  
Forests of the Southern Shore of Crimea

Orig Pub: Byul. nauchne-tekhn. inform. Gos. Nikitsk. bo-  
tan. sad, 1957, No 3-4

Abstract: It was established by a study of plantings on  
the southern shore of Crimea, that oriental  
spruce, common spruce, European larch, Caucasian  
white fir and certain other kinds of trees grow  
successfully in the upper belt (from 750 meters  
up). Mediterranean varieties of the white fir

Card 1/2

115

tsuga and yew-leaved pseudotsuga are represented  
by single samples. Cedars(Atlas, Himalayan and  
Lebanon) are widespread up to an altitude of 500  
meters but grow very slowly in dry stony soils.

--L. V. Nesmelov

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860710017-0

Card 2/2

USSR/Cultivated Plants. Decorative Plants.

M

Abs Jour : Ref Zhur-Biol., No 15, 1958, 63406

Author : Voloshin, M. P.

Inst :

Title : Some Characteristics in the Growth of the  
Above-Ground Part of Laurel.

Orig Pub : Agrobiologiya, 1957, No 6, 143-144

Abstract : The effect of pruning on the growth of laurel  
shoots and the formation of leaves of the  
plant is described. If laurel is grown for

USSR/Cultivated Plants - Subtropical. Tropical

M-7

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30096

-naphthyl acetic and indolyl butyric acids and heteroauxine (indole 3-acetic acid) for 12.24 and 48 hours. The greatest percentage of root-taking (56) was gotten with 12 hour soaking in heteroauxine. The rooting of the shoots was made in 1953 by cutting a ring around the laurel shoots at 10-12 cm. from the surface of the soil. The place where the wood of the shoots was uncovered was daubed with a mixture of heteroauxine and talcum (1:1000), covered up with damp moss, hilled up with soil to 50-60 cm. with a 5-6 cm. interlayer of sawdust and then abundantly watered. This method provided 90-100% rooting in the shoots and formed 10-18 ramifications.

Card 2/2

possible to preserve the seed until spring with minimal loss of germinability. It was determined

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860710017-0"  
Card 1/2

USSR / Forestry. Forest Plants.

K-5

Abs Jour: Ref Zhur - Biologiya, No. 1, 1958, 1355

that the best results are given by placing them in sowing boxes in between layers of earth or sand and then storing the boxes in trenches. The group germinability of the seed of the spring sowing was 50-60% when stored with the pericarp, and 94-95% when stored without the pericarp.

VOLOSHIN, M.E. (Riga)

Lymphangioma of the nasal cavity. Vest. oto-rin. 16 no.6:70-71  
N-D '54.

(MLRA 8:1)

(NASAL CAVITY, neoplasms  
lymphangioma)  
(LYMPHANGIOMA  
nasal cavity)

VOLOSHIN, M.R.

Use of plexiglass in rhinoplasty. Vest. otorinolar. 13 no.1:73  
Jan-Feb 51. (CLML 20:5)

1. Of the Division for Diseases of the Ear, Throat, and Nose (Head-M.R.Voloshin, Lt-Col, Medical Corps), Riga Okrug Military Hospital (Head--S.K.Khodorovskiy, Lt-Col Medical Corps).

VOLOSHIN, M.R. (Riga)

Prolonged presence of a large foreign body in the space under  
the vocal cords. Vest. oto-rin. 16 no. 2:84 Mr-Ap '54. (MLR 7:6)

1. (Dolozheno s demonstratsiyey bol'nogo na zasedanii Respublikan-  
skogo khirurgicheskogo obshchestva Latvийskoy SSR 19 noyabrya  
1950 g.)

(LARYNX, foreign bodies,  
\*under vocal cords, extraction)

(FOREIGN BODIES,  
\*larynx, under vocal cords, extraction)

VOLOSHIN, M. R.

33593. O Vnutrikozhnoy Sheynoy Blokade Kak Metoda Anestezii Pri Tonzillektomii.  
Vestnik Otorinolaringologii , 1949, No. 5, c. 77

SO: Letopis'nykh Statey, Vol. 45, Moskva, 1949

VOLOSHIN, M.P.

VOLOSHIN, M.P.

Some features in the growth of the aerial parts of bay laurel.  
Agrobiologija no.6:143-144 N-D '57. (MIRA 10:12)

1. Gosudarstvennyy Nikitskiy botanicheskiy sad, Yalta.  
(Crimea--Laurel)